

AMENDMENTS TO THE CLAIMS

This listing of Claims will replace all prior versions, and listings, of Claims in the application.

Listing of Claims:

Claims 1-10 (cancelled)

Claim 11 (New). A packaging article, comprising a premix and a component, wherein the component is selected from the group consisting of at least one polymer and at least one filler, wherein:

said at least one polymer represents at least 50% by weight of the packaging article and is selected from the group consisting of: polyolefins, such as polyethylene, polypropylene, polybutene and copolymers thereof with one or more unsaturated monomers such as vinyl acetate, acrylic acid and esters thereof formed from short chain alcohols; polyvinyl chloride and copolymers thereof; acrylic copolymers and derivatives thereof; polyamides, polystyrenes, polycarbonates, polyesters, polyurethanes, rubbers such as natural rubber, styrene-butadiene and polychloroprene;

said at least one filler is selected from the group consisting of mineral fillers such as chalks and carbonates, talcs, clays and silicas; and,

said premix is based on volatile corrosion inhibitors and comprises at least one structuring agent selected from the group consisting of a solid or pasty substance and a liquid substance being capable of forming, when mixed with a mineral filler, a pasty or solid substance; said solid or pasty substance being selected from the group consisting of solid, pasty, aliphatic and resinous compounds with a low melting point of between 40°C and 110°C, the amount of structuring agent being effective to reduce the release of said volatile corrosion inhibitors when said packaging article or premix is formulated.

Claim 12 (New). The packaging article according to Claim 11, wherein the packaging article consists of single films or of assemblies of several elements, said assemblies being produced by employing any suitable method including stapling, crimping, thermoforming, skin-packing or the manufacture of blisters.

Claim 13 (New). The packaging article according to Claim 11, wherein the premix comprises from about 1% to about 80% by weight of at least one volatile corrosion inhibitor and about 20% to about 99% of at least one structuring agent consisting of a solid or pasty substance having a melting point of from about 40°C to about 110°C.

Claim 14 (New). The packaging article according to Claim 11, wherein the premix, the solid or pasty structuring agent is selected from the group consisting of linear and/or only slightly branched mono- or polyfunctional aliphatic compounds with hydrocarbon chains having at least 10 carbon atoms.

Claim 15 (New). The packaging article according to Claim 11, wherein the structuring agent is selected from the group consisting of: saturated or unsaturated, possibly oxidized, mono- or dicarboxylic acids, esters and salts thereof; phosphoric, sulfonic and phosphonic acids, esters thereof with alcohols, alkali metals, alkaline earths, zinc, aluminum and/or organic amine salts thereof; cyclic or acyclic compounds of the group consisting of lactones, ketones, aldehydes, amides and acetals; cyclic or acyclic, possibly polyalkoxylated, primary or secondary higher alcohols with a hydrocarbon chain having at least 10 carbon atoms; linear and/or only slightly branched aliphatic hydrocarbons, such as paraffins and isoparaffins; polyolefins and copolymers thereof with low molecular masses of 3,000 to 20,000 g/mole; and, polyglycols such as polyethyleneglycols with a molecular mass of 2,000 to 10,000 g/mole.

Claim 16 (New). The packaging article according to Claim 11, wherein the structuring agent is a resinous compound having a polymeric and/or cyclic structure and which may contain, in a minor proportion, aromatic derivatives and cyclic terpenes.

Claim 17 (New). The packaging article according to Claim 11, wherein the structuring agent comprises natural, mineral or synthetic waxes.

Claim 18 (New). The packaging article according to Claim 11, wherein the premix comprises at least one volatile corrosion inhibitor selected from the group consisting of: nitrogen-containing derivatives such as, aliphatic, aromatic, acyclic or cyclic amines, such as dicyclohexylamine, cyclohexylamine, morpholine, diisopropylamine and benzylamine, organic salts thereof, such as benzoates, carbamates, laurates, caprylates, and succinates, or inorganic salts thereof such as nitrites, nitrates, carbonates, phosphates, and phosphites; and, heterocyclic compounds such as imidazole and derivatives thereof, triazoles and derivatives thereof, as well as hexamethylenetetramine; reaction products of oxido nitrogen-containing derivatives such as alkali metal or alkaline earth salts of nitrous acid which have a vapour pressure of at least 10^{-5} mm Hg at 20°C; and, the benzoic derivatives of the alkali metals such as sodium benzoate.

Claim 19 (New). A process for producing the packaging article of Claim 11 made of polymeric material comprising the steps of:

preparing the premix; and,
subsequently incorporating said premix in the polymer.

Claim 20 (New). A process for producing the packaging article of Claim 11 in the form of a pasty solid with a plastic character comprising preparing a formulation by mixing in one step the constituents of the premix with a mastic-forming polymer or with the filler.

Claim 21 (New). A process for protecting metal parts against corrosion comprising the steps of:

forming a cavity in the packaging article of Claim 11; and,
placing the metal parts in said cavity.

Claim 22 (New). A process for protecting metal parts against corrosion comprising the step of bringing the pasty solid packaging article of Claim 11 having a plastic character into a form adapted to dimensions of the metal parts to be protected against corrosion.

Claim 23 (New). The packaging article of Claim 11, wherein the solid or pasty aliphatic and/or resinous compound has a melting point of between 50°C and 90°C.

Claim 24 (New). The packaging article according to Claim 11 having a form selected from the group consisting of films which are retractable, flexible or rigid, wires, tubes, sheets, or pasty solids with a plastic character.

Claim 25 (New). The sheets according to Claim 24, wherein the sheets define a space between the sheets and the space is in a form of cells.

Claim 26 (New). The packaging article of Claim 11, wherein the premix comprises from 20% to 60% by weight of at least one volatile corrosion inhibitor.

Claim 27 (New). The packaging article of Claim 11, wherein the premix comprises from 40% to 80% of at least one structuring agent.